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- 5. Sheet iron, iron and steel ingots, section iron, coal, coke, and lumber were supplied by other plants, large steel castings were received from Kramatorsk (48°43°N/37°32°E). Current was supplied by the nearby power station of Kharkov, Allegedly there was no emergency power station in the plant.
- 6. The plants had a work force of 10,000 to 13,000 including 30 to 40 percent women. The manager of the KhETZ Plant was one Shevchenke (fnu), his deputy was one Borisenke (fnu); head of the foundry was one Rosenberg (fnu); manager of the KhETZ was one Mikitin (fnu); designers were Almasov (fnu), lazarovich (fnu), and Bespyatkin (fnu), "ork was done in three shifts of eight hours each.
  - 2 Annexes: two sketches on ditto.

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## Legend

- lo One long building, or a row of uniform two-story buildings closely adjoining one another, with the following sections: Workshop for the manufacture of concrete slabs for floors and roofs; carpenter shop; oil dump; warehouse for cables, wires, insulators, hemp, ropes; bakelite slabs, 80x80 cm and 1 to 4 cm thick; forge and locksmith's shop;
- 2. Administrative buildings.
- 3. Bath for workers.
- 4. Electric motor manufacturing department with a section for shaft treatment; punching shop with 20 to 25 punching machines of different sizes for punching armature bars; pressing shop with three presses; motor case section; armature-winding shop with three winding machines and two paper-cutting machines for insulation material; final assembly of motors; and test station. The armature-winding department and the final assembly shop, which works on an assembly-line system, are in the upper floor. The shop was equipped with: 12 lathes, 4 vertical boring and turning machines; 1 four-spindle boring machine, 4 single-spindle boring machines, 2 milling machines. On the ground floor were four traveling cranes with a lifting capacity of 20 tons each.
- 5. Motor and generator department. The construction of notor stators was observed there. One source saw, among other machine tools, 10 large and 30 small milling machines in this shop. The shop was equipped with several belt conveyors, 2 or 3 electrically driven cranes, and numerous crane trolleys.
- 6. Electrical apparatus department. The building consisted of a four-story and a two-story section. The PN Camp was also located there.
- $7_{\circ}$  Warehouse for finished articles, machine tools, and components.
- 8. Locomotive shed.
- 9. Carpentry and pattern shop.
- 10. Forge with one large and one small pneumatic hammer, several presses, two small and two large gas-fired annealing furnaces.
- 11. Plant kitchen.
- 12. Kirov turbine plant. The shop, which was 26 meters high, consisted of three longitudinal and one transverse bays with a total floor space of 29,960 square meters. The ground floor accomposed the turbine assembly shop and machine chops equipped with various machine tools, among which were two large vertical boring and turning mills and 50 to 60 lathes, drilling, grinding, and milling machines. In the upper story were other machine shops for the manufacture of components. Soviets said that the largest turbine in the world was built in this plant in 1947.
- 13. Insulating materials section, Asbestos slabs for insulating switch casings were made there.
- 14. Forge of the turbine plant, A new structure,

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## Approved For Release 2002/08/08: CIA-RDP82-00457R010600270008-1 CONFIDENTIAL CENTRAL INTELLIGENCE AGENCY Annex:

- 15° Varnish and paint factory,
- 16. Nonferrous metal foundry, equipped with three coal-fired furnaces. Copper and aluminum parts were cast there.
- 17. Iron and steel foundry, equipped with two large coke-fired furneces for gray iron and steel castings. The molding shop was also located in this building.
- 18. Welding and sheet-iron processing shop.
- 19. Garage.
- 20. Main entrance and guard.
- 21. Boiler house.

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## Location Sketch of Plants



## Legend:

- KhEmZ and KhTGZ Plants Hospital Kharkov=Balashov railroad station

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CENTRAL INTELLIDENCE AGENCY
Annex

Layout Sketch of Intellinence AGENCY
25X1

25X1

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25X1

25X1